PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO					Complete if Known			
11150					Application Number			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Filing Date			
					First Named Inventor	Matthew J. Carey		
					Art Unit		_	
(use as many sheets as necessary)				ery)	Examiner Name			
Sheet	1	of		2	Attorney Docket Number	HSJ920030268US1		

U.S. PATENT DOCUMENTS					
Examiner Initials		Document Number Number-Kind Code ² (If known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MK_		US- 5,315,468	05-24-1994	Lin et al.	-
MK		US- 5,465,185	11-07-1995	Heim et al.	
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	FOREIGN PATENT DOCUMENTS								
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
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PTO/SB/088 (10-01)

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STAT	EMENT R	Y A	PPI ICANT	First Named Inventor	Matthew J. Carey	
				Group Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	HSJ920030268US1	

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), litle of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
ML		A. TANAKA et al., "Spin-valve heads in the current-perpendicular-to-plane mode for ultrahigh-density recording", IEEE TRANSACTIONS ON MAGNETICS, 38 (1): 84-88 Part 1 JAN 2002	
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Signature Considered *EXAMINER: Initial if reference considered whether or not citation of conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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